

Name _____

Hour _____

Quotients of Radicals

Simplify. Rationalize the denominator.

1. $\sqrt{\frac{2ab^2}{c^2d}}$

8. $\sqrt{\frac{8}{25}}$

2. $\sqrt{\frac{2x}{3y}}$

9. $\frac{3 \cdot \sqrt{2}}{\sqrt{3}}$

3. $\sqrt{\frac{19x^2}{32}}$

10. $\sqrt{\frac{4x^2}{25}}$

4. $\sqrt{\frac{4a^2b}{x^8y^7}}$

11. $\sqrt{\frac{11y^3}{9}}$

5. $x \cdot \sqrt{\frac{5d}{3x^2}}$

12. $\sqrt{\frac{25}{3x}}$

6. $\sqrt{\frac{7a^2}{8cd}}$

13. $\sqrt{\frac{3}{6x^3}}$

7. $\sqrt{\frac{n^2}{7}}$

14. $\frac{\sqrt{8x^2y}}{\sqrt{2y}}$